

Date: Tue, 8 Mar 94 23:59:04 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #264
To: Info-Hams

Info-Hams Digest Tue, 8 Mar 94 Volume 94 : Issue 264

Today's Topics:

Amateur Satelllite Information?
 ARRL server (3 msgs)
 copying cw on typewriters
 Definition of CW speeds
 DOVE Keps
FT-530 Receive Problem Followup (2 msgs)
 HDN Releases
 help identifying a tube
 QSL route for T30JJ
 Satellite progs on World
 Why no 10 meter activity??

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 8 Mar 94 22:39:35 GMT
From: nprdc!ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!pipex!demon!softage.demon.co.uk!zawada@network.ucsd.edu
Subject: Amateur Satelllite Information?
To: info-hams@ucsd.edu

I'm looking for information on receiving packet radio satelllites on VHF.
I've got a packet radio decoder and VHF receiver, what I need is....

Name Of Satellite
Frequency
Type of transmission (aerial type)

Any information would be greatly appreciated.

Thanks

Mark

--

Mark Simpson

Date: 8 Mar 94 17:36:10 GMT
From: nprdc!ihnp4.ucsd.edu!usc!math.ohio-state.edu!howland.reston.ans.net!
news.cac.psu.edu!news.pop.psu.edu!ctc.com!news.cs.umb.edu!hsdndev!admi!ovation!
ramcad.pica.army.mil!mellis@network.
Subject: ARRL server
To: info-hams@ucsd.edu

Oh sure, as soon as I post a msg regarding the inability to get into
ftp.std.com, I try it again, and get in.

Sigh.

.... Mark E. Ellis <mellis@ramcad.pica.army.mil>
PA&TD Workplace Automation Group
SMCAR-QAH-P, Bldg 62N, Ext. 5817
Picatinny Arsenal, NJ

Date: Wed, 09 Mar 94 04:12:59 GMT
From: netcomsv!netcomsv!skyld!jangus@decwrl.dec.com
Subject: ARRL server
To: info-hams@ucsd.edu

In article <CMCwwB.2vJ@pica.army.mil> mellis@ramcad.pica.army.mil writes:

> Oh sure, as soon as I post a msg regarding the inability to get into
> ftp.std.com, I try it again, and get in.
>
> Sigh.

>
>
> Mark E. Ellis <mellis@ramcad.pica.army.mil>
> PA&TD Workplace Automation Group
> SMCAR-QAH-P, Bldg 62N, Ext. 5817
>

>

Picatinny Arsenal, NJ

I'd suspect Walt did it. Ask him if hes controlling the access now by remote control. (CW of course, after all, this IS amateur radio....)

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA		"You have a flair for adding
Internet: jangus@skylld.grendel.com		a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749		story."
Phone: 1 (310) 324-6080		Peking Noodle Co.

Date: 8 Mar 94 17:34:48 GMT
From: nprdc!ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.cac.psu.edu!
news.pop.psu.edu!ctc.com!news.cs.umb.edu!hsdndev!admii!ovation!
ramcad.pica.army.mil!mellis@network.ucsd.edu
Subject: ARRL server
To: info-hams@ucsd.edu

>>Does anyone know what happened to the ARRL server? I have been trying to
>>get files, but haven't gotten anything.

>

>I believe that the files at the ARRL server are also available at
>ftp.std.com

=====

Great. Now if only ftp.std.com would allow anon-ftp connects.

ncftp ftp.std.com

421 Service not available, remote server has closed connection
Login failed.
NcFTP 1.0 PL2 (20 Jan 93) Ready.
FTP ()->

Been doing that for several days now.

.... Mark E. Ellis <mellis@ramcad.pica.army.mil>
PA&TD Workplace Automation Group
SMCAR-QAH-P, Bldg 62N, Ext. 5817
Picatinny Arsenal, NJ

Date: 8 Mar 94 09:51:53 GMT
From: nprdc!ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!cs.utexas.edu!news.tamu.edu!idmb-secretary.tamu.edu!

user@network.ucsd.edu
Subject: copying cw on typewriters
To: info-hams@ucsd.edu

In article <CMBIKE.6J9@ucdavis.edu>, ez006683@chip.ucdavis.edu (Daniel D. Todd) wrote:

> ps. If the professor was a Ham "Gilligan's Island" would have lasted only
> three episodes. (unless he was a no-code :-)

No, that wasn't the problem. Think back to an early episode when they still had the transmitter (before Gilligan ruined it, of course). They had some type of ham or marine-band transmitter, but they were using a portable AM or FM radio for a receiver. No wonder they never heard the search parties :)

Troyce
KC5CBI

--

Please read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback at quality bookstores near you. I live with the author and want to go back to Disney World this year :)

Date: 8 Mar 94 21:24:31 GMT
From: nprdc!ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!vixen.cso.uiuc.edu!usenet.ucs.indiana.edu!
battin@network.ucsd.edu
Subject: Definition of CW speeds
To: info-hams@ucsd.edu

I am writing a code-practice program for my Amiga computer, and I wonder if anyone can give me a definitive answer to exactly how many milliseconds long a dit at 18 wpm is supposed to be?

The only references I have say that wpm is defined for 5-letter words. But, since letters vary in their dit content, I assume that this is supposed to be some sort of "average" letter. Does the FCC say in some regulation (not in Part 97 that I can find) how many dits an "average" word or letter should be composed of?

Note that this would be different for messages composed of random letters, and messages composed of plain-text. In fact, plaintext that has a lot of ham-style abbreviations will have different letter

frequencies than other sorts of plaintexts. Throw in procedural symbols like AR and SK, various punctuation marks, numbers and what-not, and you can see why I'm looking for the real, "definitive", definition.

FWIW, Morse used the number of pieces of type in a printer's type case to determine letter frequencies when he assigned various sequences and if you compare the results with other people's data concerning letter frequencies you'll see some real differences.

So, just what is the exact standard? (Assuming that there is one.)

[I know, I'm talking about differences that are very small, but still I'd be surprised if there isn't some better standard than simply saying "x wpm = x (undefined) words of 5 (undefined) letters per minute". The simplest such standard I can think of is to simply define some particular x wpm as composed of dit units of y milliseconds, thus my question above. Since the ARRL uses 18 wpm character rate in their code exams for 5 and 13 wpm tests, I figured that there must be some standard by which they are going.]

--

Gene Battin
battin@cyclops.iucf.indiana.edu

```
| "Ideas that have outlived their day may hobble about the world for |
| years, but it is hard for them ever to lead and dominate life.      |
| Such ideas never gain complete possession of a man, or they gain    |
| possession only of incomplete people."                               |
|           - Alexander Herzen My Past and Thoughts (1861) |
|-----|
```

Date: 9 Mar 94 07:33:33 GMT
From: news-mail-gateway@ucsd.edu
Subject: DOVE Keps
To: info-hams@ucsd.edu

Hello

Would you please send me the latest Keps for DOVE D0-17.

Many thanks

Graham Tilbury
ZS5GMT

Date: Wed, 9 Mar 1994 05:17:23 GMT
From: netcomsv!netcom.com!wy1z@decwrl.dec.com
Subject: FT-530 Receive Problem Followup
To: info-hams@ucsd.edu

In article <CMD8wr.4y@inmet.camb.inmet.com> leber@panther.warm.inmet.com (Thomas Leber) writes:

>OK, all of you who have been following my adventures with Yaesu, trying to
>resolve interference heard around 145.13, here's some more info:

>

>The Service people at Yaesu claimed not to have been able to reproduce the
>problem, so I had them return the radio to me. I've been living with it for
>a couple of weeks now, mostly ignoring the problem, since it's really not
>severe.

>

>Last night, I started playing with the VHF and UHF VFOs simultaneously,
>and suddenly heard the same type of interference, but this time it
>was full scale, and it was coming in on the UHF side. A little experimentation
>indicated that for a given 2 meter frequency, the unit generated a spur at
>3.172845 times that frequency. Example: 145.13 generates 460.475. The noise is
>exactly like the weaker noise I hear in 2 meter, but it pegs the S meter.
>I'd say it's likely that these phenomena are related. I checked the schematic
>for crystals that oscillate around 3.1728, but didn't see any. Can any of the
>more technically savvy of you out there suggest the culprit?

>

>I like this HT a lot, and I'd like to be able to eliminate this if possible.

>

>Cheers,

>Tom

>

>--

>-----

> Tom Leber N3QKV <leber@panther.warm.inmet.com> Intermetrics, Inc. Warminster PA
> "Smother technology and it rebels." - Max Headroom

I just keyed in the frequencies you mentioned into my 530, and the 2m side has an S9 signal on the meter, but no 'Busy' indication on the LED.

The 440 side has a constant S3/S5 signal, with an intermittent 'Busy' indication.

Just letting you know...

Scott

--

```
=====
| Scott Ehrlich      Amateur Radio: wylz      AMPRnet: wylz@walphy.ampr.org |
| Internet: wylz@neu.edu  BITnet: wylz@NUHUB    AX.25: wylz@walphy.ma.usa.na |
|-----|
|      Maintainer of the Boston Amateur Radio Club hamradio FTP area on      |
| the World - ftp.std.com  pub/hamradio      |
|-----|
=====
```

Date: Sat, 05 Mar 1994 13:25:12
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!
m2.dseg.ti.com!ernest!egsner!wb9rxw!kf5iw!rwsys!ocitor!FredGate@network.ucsd.edu
Subject: HDN Releases
To: info-hams@ucsd.edu

The following files were processed Saturday 3-5-94:

HAMANT [HAM: Antenna design and calculation programs]

HELIX-20.ZIP (32328 bytes) Calculate circularly polarized
antenna gain by OH0NC
LOGYAG16.ZIP (32928 bytes) Design yagi w/log-cell feeding for
high gain by OH0HC

65256 bytes in 2 file(s)

HAMELEC [HAM: Electronic Drafting, ccalculation programs]

KFACTOR.ZIP (23737 bytes) Calculate stability factor K, by
PA3AIF
NOISE.ZIP (25237 bytes) Calculate noise figure for
deviation of gamma optimum -by
PA3AIF

48974 bytes in 2 file(s)

HAMMODS [HAM: Radio and equip modifications]

IC2SAT-1.ZIP (732 bytes) Extend frequency range of ic2sat
TS50-1.ZIP (1405 bytes) Increase output power of Ts-50 to
200W
WG010.ZIP (303655 bytes) Control Program for JRC NRD-535D

305792 bytes in 3 file(s)

HAMNEWS [HAM: Bulletins and Newsletters]

ARLD011.ZIP (2203 bytes) ARRL DX Bulletin 02/24/94
ARLD012.ZIP (554 bytes) ARRL DX Bulletin 02/28/94
ARLP008.ZIP (1055 bytes) ARRL Propagation Bulletin 02/25/94
NEWS0225.ZIP (7391 bytes) News Line 02/25/94
OPDX149.ZIP (3570 bytes) Oh / PA DX Bulletin 02/28/94
RTDX0225.ZIP (1615 bytes) RTTY DX Bulletin 02/25/94

16388 bytes in 6 file(s)

HAMSAT [HAM: Satellite tracking and finding programs]

AMSAT057.ZIP (4398 bytes) AmSat News Bulletin #057 02/26/94
ARLS011.ZIP (975 bytes) ARRL Satellite Bulletin 02/25/94

5373 bytes in 2 file(s)

HAMTRAIN [HAM: Amateur Radio training material and cw progs]

SM410.ZIP (149427 bytes) Super Morse 4.10 - Morse Code
Trainer

149427 bytes in 1 file(s)

Total of 591210 bytes in 16 file(s)

Files are available via Anonymous-FTP from <ftp.fidonet.org>
IP NET address 140.98.2.1 for seven days. They are mirrored
to <ftp.halcyon.com> and are available for 60-90 days.

Directories are:
pub/fidonet/ham/hamnews (Bulletins)

/hamant (Antennas)
/hamsat (Sat. prg/Amsat Bulletins)
/hampack (Packet)
/hamelec (Formulas)
/hamtrain (Training Material)
/hamlog (Logging Programs)
/hamcomm (APLink/JvFax/Rtty/etc)
/hammods (Equip modification)
/hamswl (SWBC Skeds/Frequencies)
/hamscan (Scanner Frequencies)
/hamutil (Operating aids/utills)
/hamsrc (Source code to programs)
/hamdemo (Demos of new ham software)
/hamnos (TCP/IP and NOS related software)

Files may be downloaded via land-line at (214) 226-1181 or (214) 226-1182.
1.2 to 16.8K, 23 hours a day .

When ask for Full Name, enter: Guest;guest <return>

lee - ab5sm
Ham Distribution Net

* Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

Date: 8 Mar 94 22:22:44 GMT
From: nprdc!ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!fc.hp.com!myers@network.ucsd.edu
Subject: help identifying a tube
To: info-hams@ucsd.edu

Val Breault (vbreaault@rinhp750.gmr.com) wrote:

> I just got a high power tube and am wondering what it's characteristics
> might be. It's an Eimac 3CW20 000A7. If it's worth something to someone
> I may consider selling it, but it will make a great conversation piece in
> the event no one does.

The 3CW20,000A7 is a power triode rated at a maximum plate dissipation of
20 kW @ 110 MHz. Max. plate voltage is 7 kV, max. plate current 4.0 A.
According to my trusty old Eimac handbook, it takes 7.5V at 99A to run the
filament, and uses a combination of forced-air and water cooling. Anything
else you need to know about it?

(This is an impressive tube from a ham perspective, but it's *far* from the
heftiest thing that Eimac offers. Their catalog is an interesting read....)

Bob Myers KC0EW Hewlett-Packard Co. |Opinions expressed here are not
Advanced Systems Div. |those of my employer or any other
myers@fc.hp.com Fort Collins, Colorado |sentient life-form on this planet.

Date: 8 Mar 94 22:06:36 GMT
From: nprdc!ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!fc.hp.com!allanw@network.ucsd.edu
Subject: QSL route for T30JJ
To: info-hams@ucsd.edu

Does anyone know the QSL route for T30JJ operating from Tarwa(?)
Island in the Marshalls in the South Pacific?

Date: Fri, 4 Mar 1994 09:14:59 GMT
From: cns!rickvg@uunet.uu.net
Subject: Satellite progs on World
To: info-hams@ucsd.edu

In article <762554227snz@isis.demon.co.uk>, Ian Smith wrote:
>Ah, but which version of STSPLUS is it ? The damned thing gets updated
>two or three times a year, or so it seems. The version numbering is pretty
>unusual as well. For what it's worth, the latest I've seen is 9353, which
>if I recall the method makes it the last week in '93. 9333 was the last
>*major* upgrade.
>

Yep, it is updated practically monthly. I have 9405 right now. A nice
program. Especially when the shuttle is up and running.

73 -- Rick

Rick von Glahn
rickvg@cscnscns.com -- Internet (preferred)
74620,637 -- Compuserve
N0KKZ@W0GVT.#NECO.CO.USA -- packet radio

Date: 8 Mar 94 17:08:59 GMT
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!constellation.ecn.purdue.edu!
wb9omc@purdue.edu
Subject: Why no 10 meter activity??
To: info-hams@ucsd.edu

elendir@enst.fr (Elendir) writes:

[with reference to ten meters]

> The band is not ccompletely closed, but the openings are quite rare, and
> rely mostly on sporadic E, since the MUF is seldom wandering above 20 MHz.

For what its worth, what I am hearing on 10M from central Indiana is mostly stuff from the Caribbean Islands. During last weekends contest, I heard a whole *bunch* of stuff including Aruba, something VP2E that I don't recall and so forth. I worked Haiti (a new one for me) and US Virgin Islands (another new one for me) ; and sometime back VP2VF who I might add seems like a real gentleman of ham radio - and was very prompt on returning a QSL, I might add.

So for those curious about 10 meters, you might swing the old beam around that way and see what you can get.

In fairness, though, I'd imagine that 10 meters is really going to *suck* this summer. There might be some good short skip openings in the evenings - that's how I got about 1/3 of the states I've worked on ten. I still need Illinois, Michigan and Ohio (with a 10-10 number) to get the 10-10 WAS award. Perhaps some summer short-skip will do it!

Duane

WB9OMC/QRP plus a hair.....

Date: Wed, 9 Mar 1994 05:10:41 GMT

From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!

wy1z@network.ucsd.edu

To: info-hams@ucsd.edu

References <1994Mar8.160707.22022@netnews.noc.drexel.edu>,

<YEE.94Mar8115002@mipgsun.mipg.upenn.edu>, <CMCwwB.2vJ@pica.army.mil>

Subject : Re: ARRL server

In article <CMCwwB.2vJ@pica.army.mil> mellis@ramcad.pica.army.mil (Mark Ellis) writes:

>

>

>Oh sure, as soon as I post a msg regarding the inability to get into
>ftp.std.com, I try it again, and get in.

>

>Sigh.

>

>

.... Mark E. Ellis <mellis@ramcad.pica.army.mil>

> PA&TD Workplace Automation Group
> SMCAR-QAH-P, Bldg 62N, Ext. 5817
> Picatinny Arsenal, NJ

If you need any further assistance, please let me know.

Scott

--

```
=====
| Scott Ehrlich      Amateur Radio: wy1z      AMPRnet: wy1z@wa1phy.ampr.org |
| Internet: wy1z@neu.edu  BITnet: wy1z@NUHUB    AX.25: wy1z@wa1phy.ma.usa.na |
|-----|
|      Maintainer of the Boston Amateur Radio Club hamradio FTP area on      |
| the World - ftp.std.com  pub/hamradio      |
|-----|
=====
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Date: 8 Mar 94 21:13:18 GMT
From: nprdc!ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!news.iastate.edu!kenman@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Feb23.113305.7405@hemlock.cray.com>, <CMC9EB.Kr1@news.Hawaii.Edu>,
<CMCruE.8n6@ucdavis.edu>iastate.
Subject : Re: Sound Blaster stupidity

In article <CMCruE.8n6@ucdavis.edu> ez006683@chip.ucdavis.edu (Daniel D. Todd)
writes:

>of QST. Lots of companies advertise before the product is actually
>available. (Sorta like President Clinton and the health care program)
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Hope QST does a product review on this one. I want to see the dynamic range
and the two-tone third-order intercept point.

--

Ken Anderson NOZEM Kenman@iastate.edu PH: 515.294.8996
126 Soil Tilth Bldg., Iowa State University, Ames, Iowa 50011

End of Info-Hams Digest V94 #264
